

Work Order ID 66876

Wednesday, March 02, 2011 6:56:39 AM



Page 1

Item ID: D4305-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Shoulder Harness Assembly

Start Date: 3/2/2011 Start Qty: 5.00



Cust Item ID:

Required Date: 3/16/2011 Req'd Qty: 5.00



Customer:

Reference:

Approvals:

Process Plan:

[Signature]

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D4305

A

100

0.00



Purchasing

Memo

0.00

Issue P/O: 13581

Supplier: AMSAFE inc.

P#4181-2-011-2396

Material release note required

481-2-151-2396

CZ 11/03/02 (5)

110

Receive & Inspect for Damage & Mat'l Certs

0.00



Packaging

Memo

0.00

Packaging

Pen/y/y (8)

120

QC6- Inspect dimensions to drawing

0.00



QC

Memo

0.00

Quality Control

- inspect to Rev A

Day only

Sulod/04

(X5)

Work Order ID 66876

Wednesday, March 02, 2011 6:56:39 AM



Page 2

Item ID: D4305-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Shoulder Harness Assembly

Start Date: 3/2/2011 Start Qty: 5.00



Cust Item ID:

Required Date: 3/16/2011 Req'd Qty: 5.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start



Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130



Packaging

Identify as per dwg & Stock Location: _____

0.00

Memo

PPR 66877

0.00

Packaging

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

11/4/4

MF
11-04-04

Picklist Print

Wednesday, March 02, 2011 6:56:36 AM

Page 1
1

Work Order ID: 66876



Parent Item: D4305-041



Parent Item Name: Shoulder Harness Assembly

Start Date: 3/2/2011

Required Date: 3/16/2011

Start Qty: 5.00

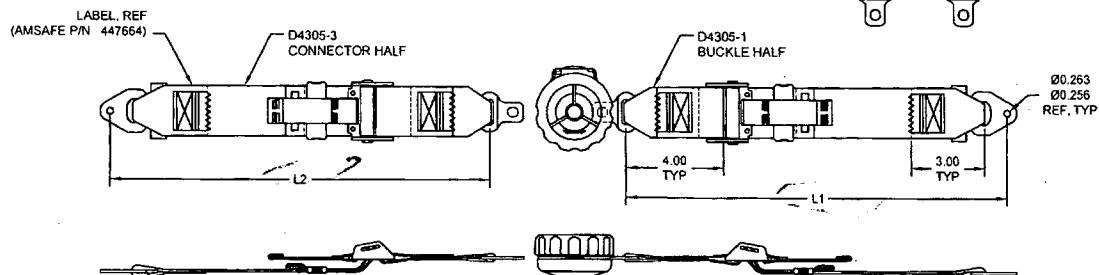
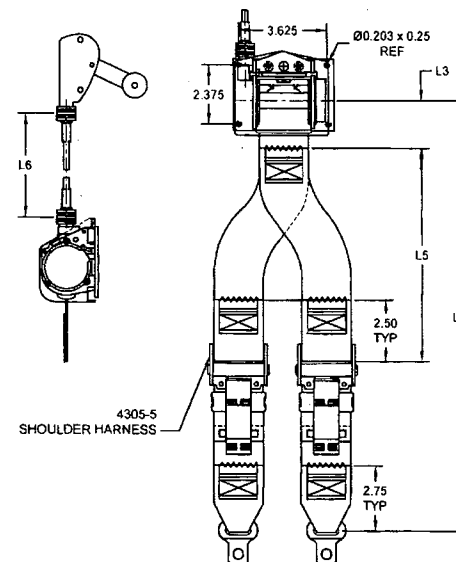
Required Qty: 5.00

Comments: IPP Rev:A 11.03.01 new issue DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
4181-2-151-2396 Shoulder Harness Assembly		Purchased	No			100	Each	0.0000	1	5		4/24/11	5

SPECIFICATION CONTROL DRAWING

DART P/N	VENDOR P/N	DESCRIPTION	VENDOR	L1	L2	L3	L4	L5	L6
D4305-1	4181-201	BUCKLE HALF	AMSAFE	24.00					
D4305-3	4181-203	CONNECTOR HALF	AMSAFE		24.00				
D4305-5	4181-207	SHOULDER HARNESS	AMSAFE			40.00	85.00	18.00	30.00



NOTES:

- PURCHASE: AMSAFE INC. P/N 4181-2-151-2396
4 POINT SHOULDER HARNESS WITH BUCKLE ASSEMBLY
MEETS REQUIREMENTS OF TSO-C114
CHROME HARDWARE PLATING AND BLACK WEBBING
- FINISH: N/A
- TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- UNITS: INCHES UNLESS OTHERWISE NOTED
- BREAK SHARP EDGES: N/A
- IDENTIFICATION: LABEL TO CONTAIN THE FOLLOWING AT MINIMUM:
PART No. 4181-2-151-2396
CUST P/N: D4305-041
RATED: 3000 LBS DATE OF MFG
CONFORMS TO TSO-C114
- WEIGHT: 3.36 lbs

D4305-041 SHOULDER HARNESS

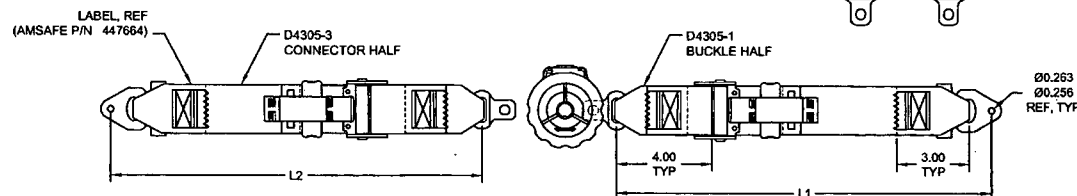
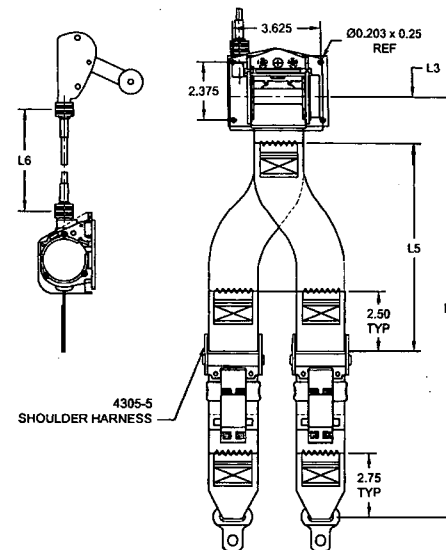
A		NEW ISSUE		RF	10.11.26
REV.		DESCRIPTION		BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. DSC-D4305 TITLE SHOULDER HARNESS SCALE NTS		REV. A	SHEET 1 OF 1
DRAWN	RF				
CHECKED	RF				
MFG. APPR.	RF				
APPROVED	RF				
DE APPR.	RF				
DATE	10.11.26				

COPYRIGHT © 2010 BY DART AEROSPACE LTD
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

RELEASED
2011-02-25

SPECIFICATION CONTROL DRAWING

DART P/N	VENDOR P/N	DESCRIPTION	VENDOR	L1	L2	L3	L4	L5	L6
D4305-1	4181-201	BUCKLE HALF	AMSAFE	24.00					
D4305-3	4181-203	CONNECTOR HALF	AMSAFE		24.00				
D4305-5	4181-207	SHOULDER HARNESS	AMSAFE			40.00	85.00	18.00	30.00



DRAFT

NOTES:

- 1) PURCHASE: AMSAFE INC. P/N 4181-2-011-2396
4 POINT SHOULDER HARNESS WITH BUCKLE ASSEMBLY
MEETS REQUIREMENTS OF TSO-C114
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: LABEL TO CONTAIN THE FOLLOWING AT MINIMUM:
PART No. 4181-2-011-2396
CUST P/N: D4305-041
RATED: 3000 LBS DATE OF MFG
CONFORMS TO TSO-C114
- 7) WEIGHT: 3.36 lbs

D4305-041 SHOULDER HARNESS

REV.	DESCRIPTION	RF	DATE
A	NEW ISSUE		10.11.26
DESIGN	RF		
DRAWN	RF		
CHECKED	RF		
MFG. APPR.	RF		
APPROVED	RF		
DE APPR.	RF		
DATE	10.11.26		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. DSC-D4305
REV. A
SHEET 1 OF 1
TITLE SHOULD HARNESS
SCALE NTS

COPYRIGHT © 2010 BY DART AEROSPACE LTD
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

Linda Lacelle

From: David Shepherd <dshepherd@dartaero.com>
Sent: March 1, 2011 5:54 PM
To: 'Tom Hodgdon'; 'Linda Lacelle'
Cc: 'Kathy Wade'; 'Robert Fuentes'; 'Mike Petsche'
Subject: RE: new harnesses

Got it ... Just wanted to be sure ... Thanks for the quick reply ... See you in Orlando.

David

From: Tom Hodgdon [mailto:thodgdon@AMSAFE.com]
Sent: Tuesday, March 01, 2011 3:42 PM
To: David Shepherd; Linda Lacelle
Cc: Kathy Wade; Robert Fuentes; Mike Petsche
Subject: RE: new harnesses

Hi David,

Those are still the correct subassemblies for the 4181-2 top assembly. Our top assembly P/N changed to 4181-2-151-2396 to add the plastic labels for DART

Let me know what else I can do to help!

Best regards,

Tom Hodgdon, Jr.
Director of Sales & Marketing, Restraint Systems
AmSafe
1043 N. 47th Avenue
Phoenix, AZ 85043
Office: 602.850.2777
Mobile: 602.628.0358
email: thodgdon@amsafe.com

From: David Shepherd [mailto:dshepherd@dartaero.com]
Sent: Tuesday, March 01, 2011 3:30 PM
To: Tom Hodgdon; 'Linda Lacelle'
Cc: Kathy Wade; 'Robert Fuentes'; 'Mike Petsche'
Subject: RE: new harnesses

Tom,

Per our dwg, are the 4181-201, 4181-203, and 4181-207 parts still applicable to the 4181-2-151-2396 harness???

Or do these part numbers need to change as well???

Thanks,
David

From: Tom Hodgdon [mailto:thodgdon@AMSAFE.com]
Sent: Tuesday, March 01, 2011 1:31 PM
To: Linda Lacelle

Cc: Kathy Wade; Robert Fuentes; dshepherd@dartaero.com; Mike Petsche

Subject: RE: new harnesses

Hi Linda,

Actually this is the first time I have seen a DART drawing for this restraint, and we weren't given any DART part numbers to include on our labels.

So right now, we need to stop and write an EO to revise the drawing to allow a customer P/N to appear on the labels, and this needs to happen **before** we build any of these restraints for you.

From looking at your drawing, the following is correct:

DART P/N D4305-041 = AMSAFE 4181-2-151-2396

It should take about 4 days to revise and release our drawing to Manufacturing, at which point we can build restraints.

Cheers!

Best regards,

Tom Hodgdon, Jr.

Director of Sales & Marketing, Restraint Systems

AmSafe

1043 N. 47th Avenue

Phoenix, AZ 85043

Office: 602.850.2777

Mobile: 602.628.0358

email: thodgdon@amsafe.com

From: Linda Lacelle [mailto:llacelle@dartaero.com]

Sent: Tuesday, March 01, 2011 1:06 PM

To: Tom Hodgdon

Cc: Kathy Wade; Robert Fuentes; dshepherd@dartaero.com; 'Mike Petsche'

Subject: RE: new harnesses

Importance: High

Hi again Tom,

I think there was a little confusion about the P/N on our side, could you please verify the attached drwg and mark up the P/N's accordingly? I really need to get these on order asap, as we already have orders coming in!

Thx

Linda

From: Tom Hodgdon [mailto:thodgdon@AMSAFE.com]

Sent: March 1, 2011 1:01 PM

To: Linda Lacelle; Kathy Wade

Subject: RE: new harnesses

Hi Linda!

Actually, DART wants the tougher plastic labels for their restraints, so we added a new code to the drawing to call those out, therefore the P/N is slightly different than the one you have below. Here's the quote:

Description	AmSafe P/N	2011 Price, ea.
-------------	------------	-----------------

4-Point w/shoulder strap adjusters, Rotary Buckle fixed to Left -Hand Lap Strap, Auto/Manual Lock, Black webbing.	4181-2-151-2396	\$ 565.71
4-Point w/shoulder strap adjusters, Rotary Buckle fixed to Right -Hand Lap Strap, Auto/Manual Lock, Black webbing.	4181-2-161-2396	\$ 565.71

Generally with crew seats which use a rotary buckle, the buckle is fixed to the outboard lap belt strap. All the samples we shipped to Dart and for Heli-Expo were the **left-hand** fixed buckle systems, so perhaps that's how they want to go with them.

I'll send an email to Siân, Robert, and Mike and see which way they want to go.

Hope to see you in Orlando next week!

Best regards,

Tom Hodgdon, Jr.

Director of Sales & Marketing, Restraint Systems

AmSafe

1043 N. 47th Avenue

Phoenix, AZ 85043

Office: 602.850.2777

Mobile: 602.628.0358

email: thodgdon@amsafe.com

From: Linda Lacelle [<mailto:llacelle@dartaero.com>]

Sent: Tuesday, March 01, 2011 8:20 AM

To: Tom Hodgdon; Kathy Wade

Subject: new harnesses

Good Morning,

We have the go ahead to purchase some of the 4181-2-011-2396 that you sent as a sample to Sian awhile back, could you please advise P & D on these, so I can send you the P.O today?

Thank You,

Linda Lacelle

Production Manager

Dart Aerospace Ltd

Hawkesbury, ON

Phone: 613 632 9577

Fax: 613 632 1053

Cell: 613 676 1655

Click [here](#) to report this email as spam.



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO13581

Purchase Order Date 3/2/2011

PO Print Date 4/1/2011

Page Number 1 of 1

Order From :

VU-AMS001

AMSAFE INC.
LOCKBOX #5
P.O BOX 53075
PHOENIX, AZ 85072-3075
US

REVISED

Contact Name

Vendor Phone 602 850 2850

Vendor Fax 602 850 2812

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	4181-2-151-2396	Shoulder Harness Assembly	4/6/2011 Yes	5.00 Each	FedEx PI collect	\$565.7100	\$2,828.55
		Special Inst:	AS PER DWG D4305 REV. A B66876 AMSAFE P/N: 4181-2-151-2396				
2		AOG FEE	4/6/2011 Yes	1.00	FedEx PI collect	\$475.0000	\$475.00

PO Total:

\$3,303.55

CERTIFICATE OF CONFORMITY
REQ'D UPON DELIVERY

CL

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 4

Change Date: 4/1/2011

AMSAFE**AMSAFE AVIATION**

1043 NORTH 47th AVENUE
PHOENIX, AZ 85043
PH (602)850-2850 FAX (602)850-2812

SHIPPER/CERTIFICATION

CUSTOMER NO.
10006113

SALES ORDER NO.
S206116

BOL NO.
000229110

DATE PRINTED
04/01/11

PAGE NO.
1

DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY
ONTARIO, CANADA K6A 1K7
Canada

MAIN FINISHED GOODS LOCATION
DART AEROSPACE LTD.
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Canada

CUSTOMER ORDER NO.
PO13581

TERMS
NET30

FREIGHT
COLLECT

SHIP VIA
FedEx P1 10:30 AM

F.O.B.
ORIGIN

Ship to ID: 10006125

Sales Order Remarks: 1517-9324-0

Remarks:

4/1/11 CHG:UPGRADED TO SAME DAY AOG.
4/1/11 CHG:SHIP VIA (WAS FED EX INTKL ECON)

SHIPMENT REFERENCE 000229110

LINE	ITEM NUMBER / DESCRIPTION	DRAWING AND CERTIFICATIONS	DUE DATE	QTY ORDERED	QTY SHIPPED	QTY BACK ORDERED
1	4181-2-151-2396 REST SYS ASSY	DRAWING: 4181 REV: H CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S206116-1 5.0	2011-04-01	5 Expire Ref.	5 5	0

Subuloy

I certify that the article(s) listed above conform to all applicable design data, and (as applicable):
FAA PMA, FMVSS 209, FMVSS 302, 14 CFR 25.853

FAA TSO C22f, C22g, C114 or TSO Plus

The conditions and tests required for TSO approval of the article(s) are minimum performance standards. It is the responsibility of those installing the article(s) either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the standards applicable to the TSO article including (when applicable) the integrated non-TSO function. The non-TSO function is described as the seat belt airbag system including the inflator cable assembly and electrical components that have not been evaluated for functionality or installation requirements. TSO articles including the integrated non-TSO function must have separate approval for installation in an aircraft. The article(s) may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements. Product shipped meets all material, processing and test requirements. Certifications/Test reports as applicable are retained on file at AmSafe Aviation.

AmSafe Authorized Signature: X Nicole DavisPrinted Name: Nicole DavisDated: APR 01 2011

COUNTRY OF ORIGIN USA

